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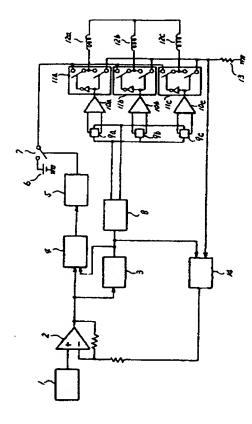
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TITLE

CURRENT CONTROL DRIVE CIRCUIT

OF BRUSHLESS MOTOR



ABSTRACT: PURPOSE: To equalize the forward torque to reverse torque by detecting the current of a stator coil, and current negatively feeding back an error signal through an amplifier for inverting in response to the detected value and the positive or negative of the error signal.

> CONSTITUTION: Chopper means made of a PWM circuit 5 and a switch means 7 is driven according to the speed or phase error signal 1, and a current direction flowed to Hall elements 9a-9c is switched in response to the stator coils 12a-12c by a Hall element applying current converter 8 by the positive or negative of the error signal 1. A current detecting resistor 13 is inserted into the current path of the coils 12a-12c, the detected value and the error signal are input to an inverting and noninverting amplifier 14, the output of which is negatively fed back by the amplifier 2 to the error signal 1.

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